ABSTRACT

The present invention relates a novel compound, chrysogenazine containing both indole and diketopiperazine ring systems, isolated from the chloroform fraction of the fermentation broth of *Penicillium chrysogenum* and the gross structure of the compound was elucidated by a detailed analysis of spectroscopic data (IR, NMR, MS), in addition, this invention also assesses the biological activity of the compound which reveals its antibacterial activity against the human pathogen, *Vibrio cholerae*, demonstrated by the disc diffusion assay.